

1 GGCACCCAGGATCTAGCTTCAAAATTAATGTTGCCCCCTAGTGGTAAAGGACAGAGACCCCTCAGACTGATGAATGGGCTCAGAATTACTTAGACAA
97 AGCGGATATTTCCTACTCTCTTCCCTTTTCTCTGTGTTTGTAGTGAAGAGACCTGAAACAAAAAGTAGGGAGAACATAATGAGAACAAATACG
193 GTAATCTCTTCATTTCCTAGTTCAAGTCTGGACTTGGGACTTAGGAGGGGCAATGGAGCCGCTTAGTGCCTACATCTGACTTGGACTGAAATATA
289 GGTGAGAGACAAAGATTGTCTCATATCCGGGGAAATCATAACTATGACTAGGACGGGAAGAGGAAGCACTGCCTTTACTTCACTGGGAATCTCGGC
385 CTCAGCCTGCAAGCCAAAGTCTTCACTGAGAGAAAGCAAGAGAAATAGCTAATACTCTCTGCTCTGAACAAGGCGCGCTCTTGGTAAAGCTACT
481 CCTTGATCGATCCTTTGCAACCGGATTGTTCAAAGTGGACCCAGGGGAGAAAGTGGAGCAAGAACTTACCACCAAGCAGTCCAAGAGGCCAGAA
577 GCAAACTGGAGGTGAGACCCAAAGAAAGCTGGAAACCATGCTCAGTTTGTACACTGTGAGGACACAGAGTCTGTTCTGGAAAGCCAGTGTCAAC
L E V R P K E S W N H A D F V H C E D T E S V P G K P S V N 30
673 GCAGATGAGGAAGTCGGACCTCCCAAATCTCCCGTGTATGTGGGACAAAGGCCACTGGCTATCACTTCAATGTGATGACATGTGAAGGATGCAAG
A D E E V G G P Q I C R V C G D K A T G Y H F K V M T C E G C K 62
769 GGCCTTTTCAGGAGGGCCATGAAACGCAACGCCCGCTGAGGTGCCCTTCCGGAAGGGCGCTGCGAGATCACCCGGAAGACCCGGCGACAGTCC
G F F R R A M K R W A R L R C P F R K G A C E I T R K T R R Q C 94
865 CAGGCCTCCCGCTGCGCAAGTGCCTGGAGAGCGGCATGAAGAAGGAGATGATCATGTCCGACGAGGCCGTGGAGGAGAGGCGGGCTTGATCAAG
Q A C R L R K C L E S G M K K E H I H S D E A V E E R R A L I K 126
961 CGGAAGAAAAGTGAACCGGACAGGGACTCAGCCACTGGGAGTGCAGGGGTGACAGAGGAGCAGCGGATGATGATCAGGGAGCTGATGGAGCCTCAG
R K K S E R T G T Q P L G V Q G L T E E Q R M H I R E L M D A Q 158
357 ATGAAAACCTTTGACTACTCTTCTCCCATTTCAAGAAATTCGGGCTGCCAGGGGTGCTTAGCAGTGGCTGCGAGTTGCCAGAGCCCTCTCAGGGCC
H K T F D T T F S H F K N F R L P G V L S S G C E L P E P L Q A 190
153 CCATCGAGGGGAAGAGCTGCCAAGTGGAGCCAGGTCCGGAAGATCTGTCTCTTTGAAGGTCTCTCTGCAAGCTGCGGGGGAGGATGCGCAGTGT
P S R E E A A K W S Q V R K D L C S L K V S L Q A A G G G W Q C 222
149 CTGGAAGTACAAACNCCAGCCGACAGTGGCGGAAAGAGATCTTCTCCCTGCTGCCCCACATGGCTGACATGTCAACCTACATGTTCAAAGGCATC
L E L Q T P S R Q W R K E I F S L L P H M A D M S T Y M F K G I 254
145 ATCAGCTTTGCCAAAGTCACTCTCTTCACTTCAAGGACTTGCCTCATCGAGGACAGATCTCCCTGCTGAAGGGGGCGGCTTTCCAGCTGTGTCAACTG
I S P A K V I S Y F R D L P I E D Q I S L L K G A A F E L C Q L 286
141 AGATTCAACACAGTGTTCACGCGGAGACTGGAACCTGGGAGTGTGGCCGCTGTCTCTACTGCTTGGAGACACTGCAGGTGGCTTCCAGCAACTT
R F N T V F N A E T G T W E C G R L S Y C L E D T A G G G F Q Q L 318
537 CTACTGGAGCCCATGCTGAAATCCACTACATGCTGAAGAAGCTGCAGCTGCATGAGGAGGAGTATGTGCTGATGCAGGCCATCTCCCTCTTCTCC
L L E P H L K F H Y M L K K L Q L H E E E Y V L M Q A I S L F S 350
533 CCAGACCCGCCAGGTCTCTGTCAGCACCGCGTGGTGGACAGCTGCAGGAGCAATTCGCCATTACTCTGAAGTCTACATTGAATGCAATCGGCCC
P D R P G V L Q H R V V D Q L Q E Q P A I T L K S Y I E C N R P 382
729 CAGCCTGCTCATAGGTTCTGTTCTCTGAAGATCATGGCTATGCTCAGGAGCTCCGAGCATCAATGCTCAGCACACCCAGCGGCTGCTGCCATC
Q P A H R F L F L K I M A K L T E L R S I N A Q H T Q R L L R I 414
125 CAGGACATACACCCCTTTGCTACGCGCCTCATGCAAGAGTGTGTCGGCATCAGGTAGCTGAGCGGCTGCTTGGGTGACACCTTCGAGAGGGCAG
Q D I H P F A T P L M Q E L F G I T G S 436
421 CCAGACCCAGAGCCCTCTGAGCGGGCACTCCGGGCCAAGACAGATGGACACTGCCAAGAGCCGACAAATGCCCTGCTGGCTGTCTCCCTAGGGA
117 TTCCTGCTATGACAGCTGGCTAGCATCTCTCAGGAAGGACATGGGGTGCCCC 2068

FIG. 1A

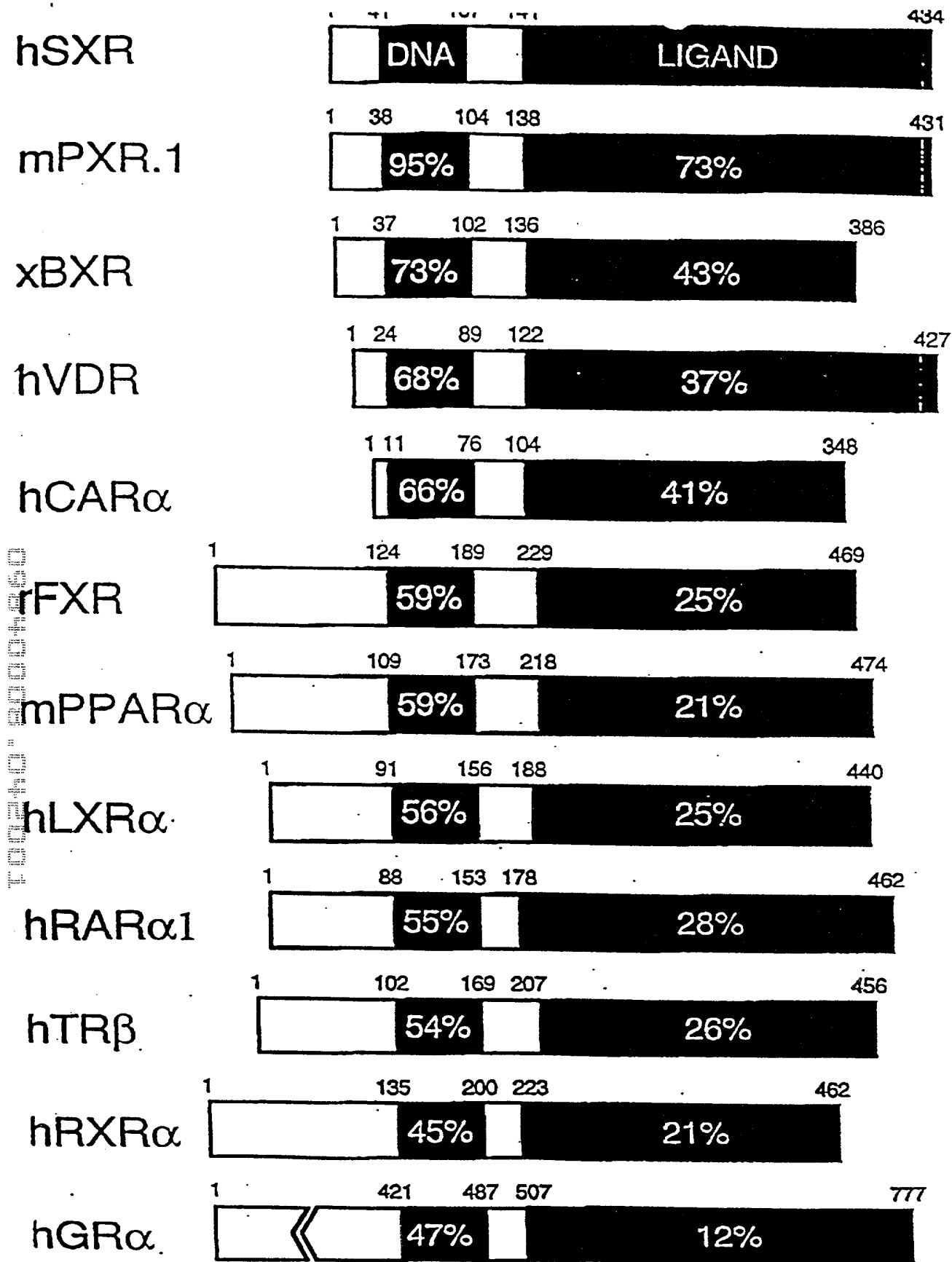


FIG. 1B

09840008 042001

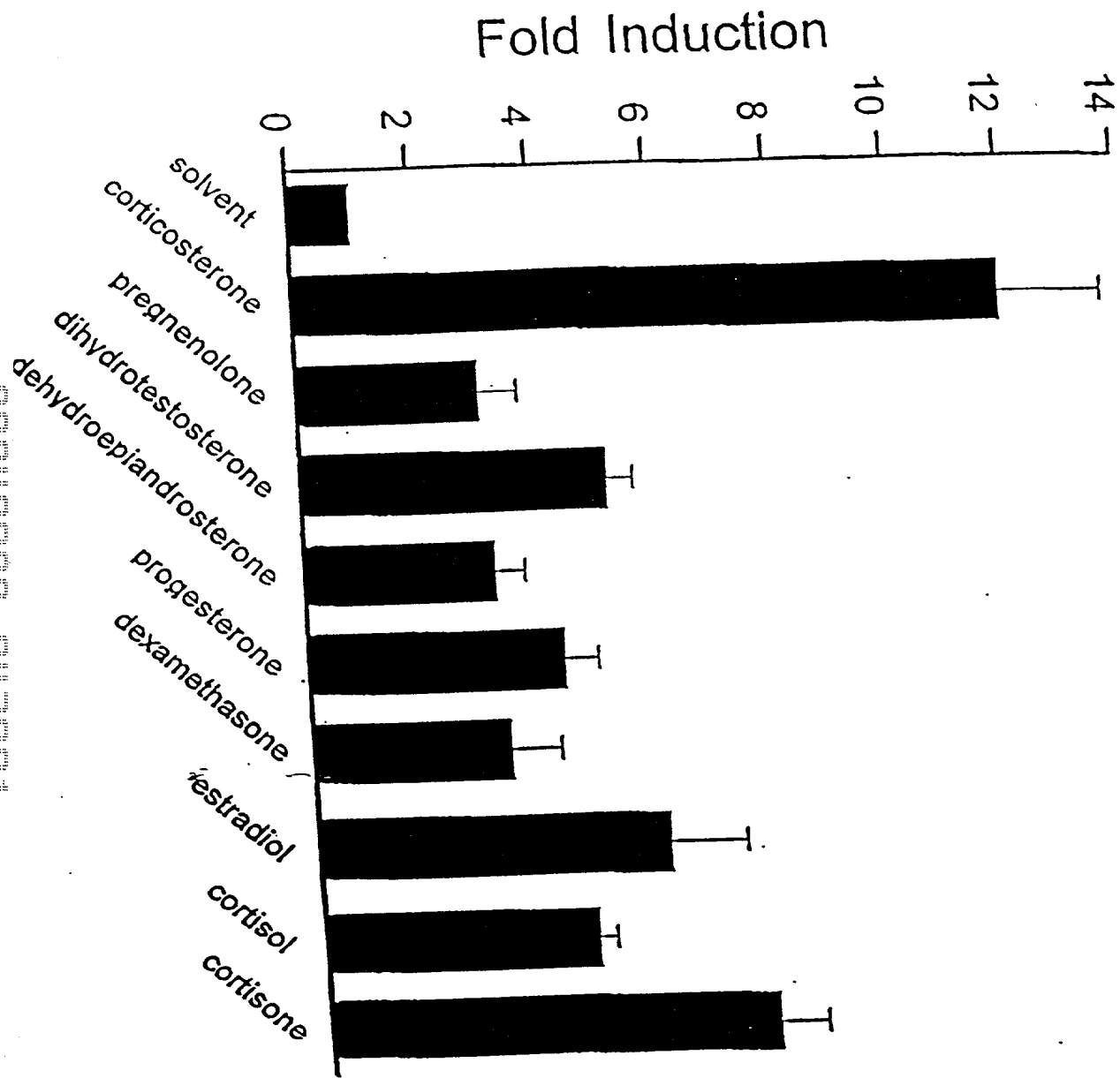


FIG. 2

Fold Induction

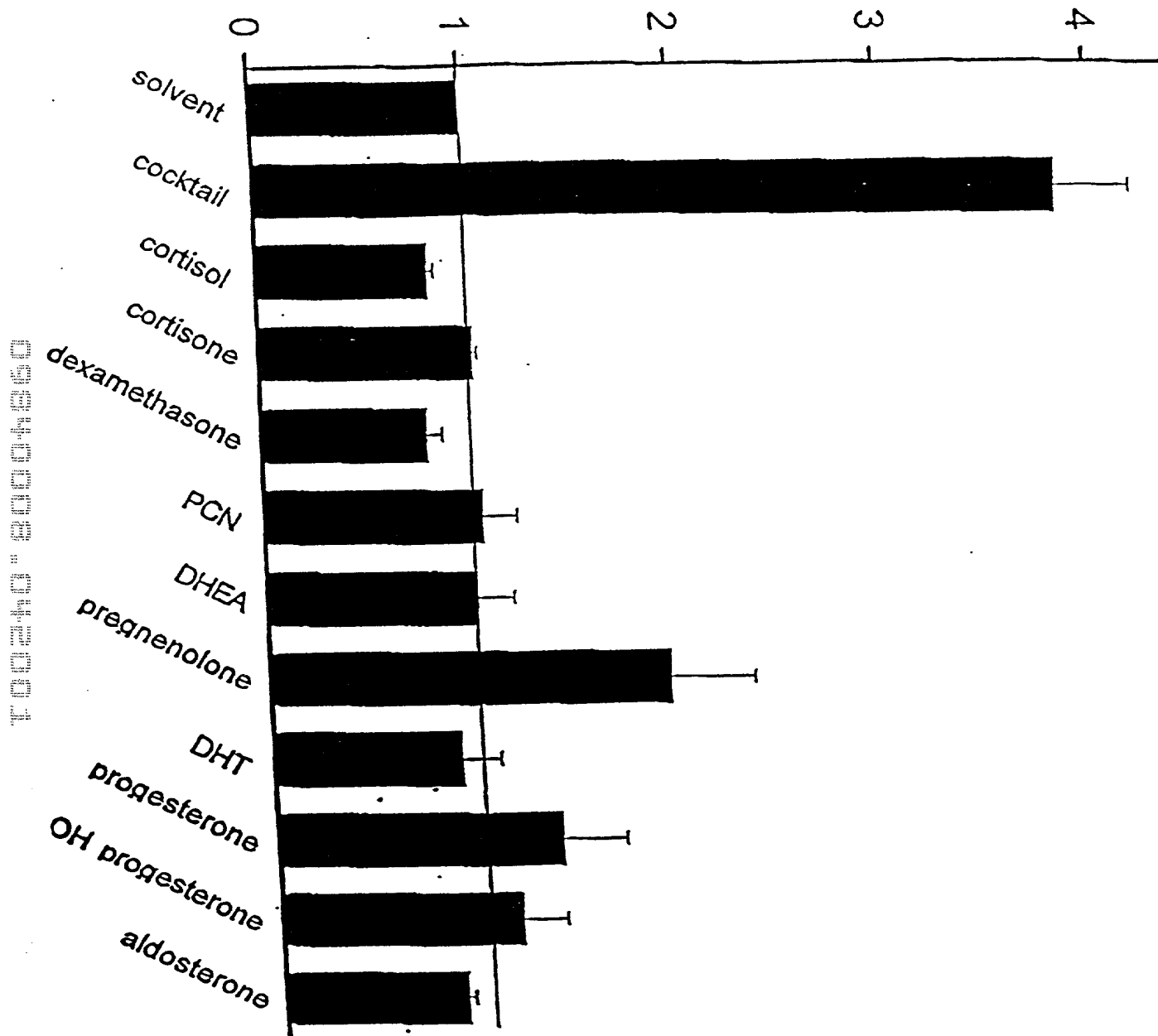


FIG. 3

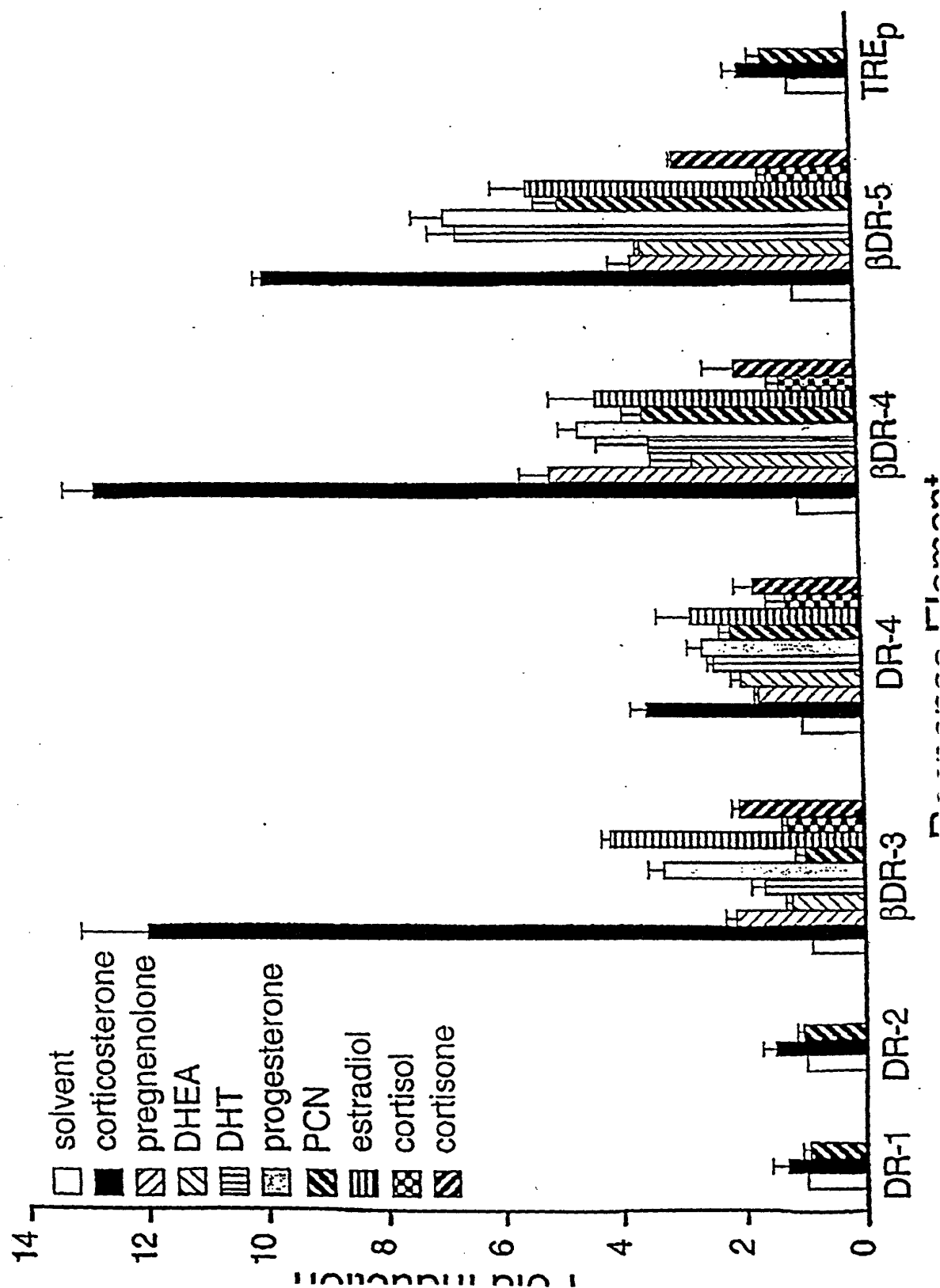


FIG. 4

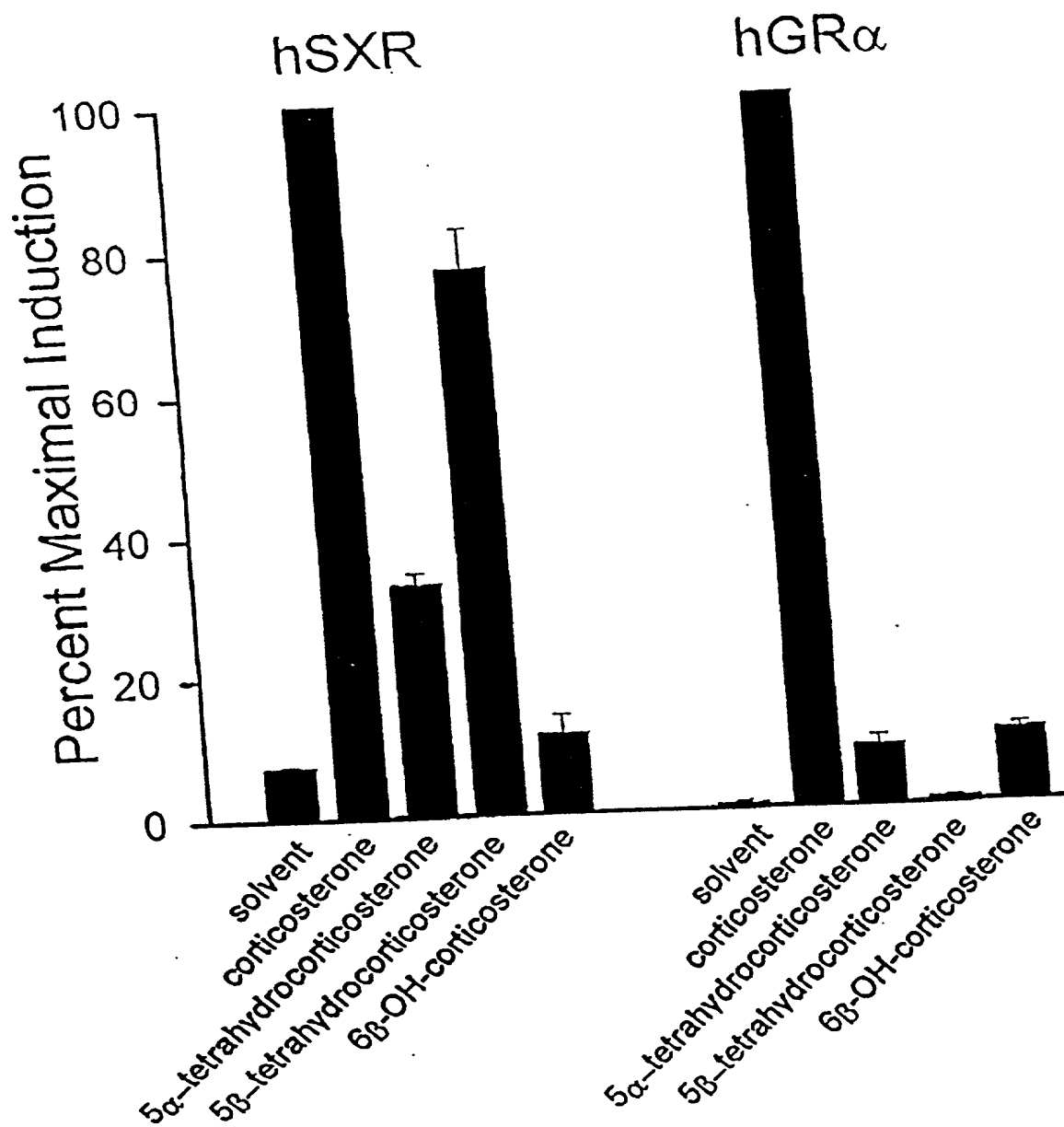


FIG. 5

DR-3
rCYP3A1
rCYP3A2
rUGT1A6

tagac AGTTCA tga AGTTCA tctac
taagc AGTTCA taa AGTTCA tctac
actgt AGTTCA taa AGTTCA catgg

DR-4
rbCYP2C1
rP450R

caatc AGTTCA acag GGTTCa ccaat
cac AGGTGA gctg AGGCCA gcagc AGGTCCG aaa

DR-5
rCYP2A1
rCYP2A2
rCYP2C6
hCYP2E1

gtgca GGTTCa actgg AGGTCA acatg
gtgct GGTTCa actgg AGGTCA gtatg
agtct AGTTCA gtggg GGTTCa gtctt
gagat GGTTCa aggaa GGGTCA ttaac

FIG. 6A

CYP3A4
CYP3A5
CYP3A7

tagaata TGAACt caaagg AGGTCA gtgagtgg
tagaata TGAACt caaagg AGGTAA gcaaaggg
tagaata TTAACt caatgg AGGC.A gtgagtgg

FIG. 6B

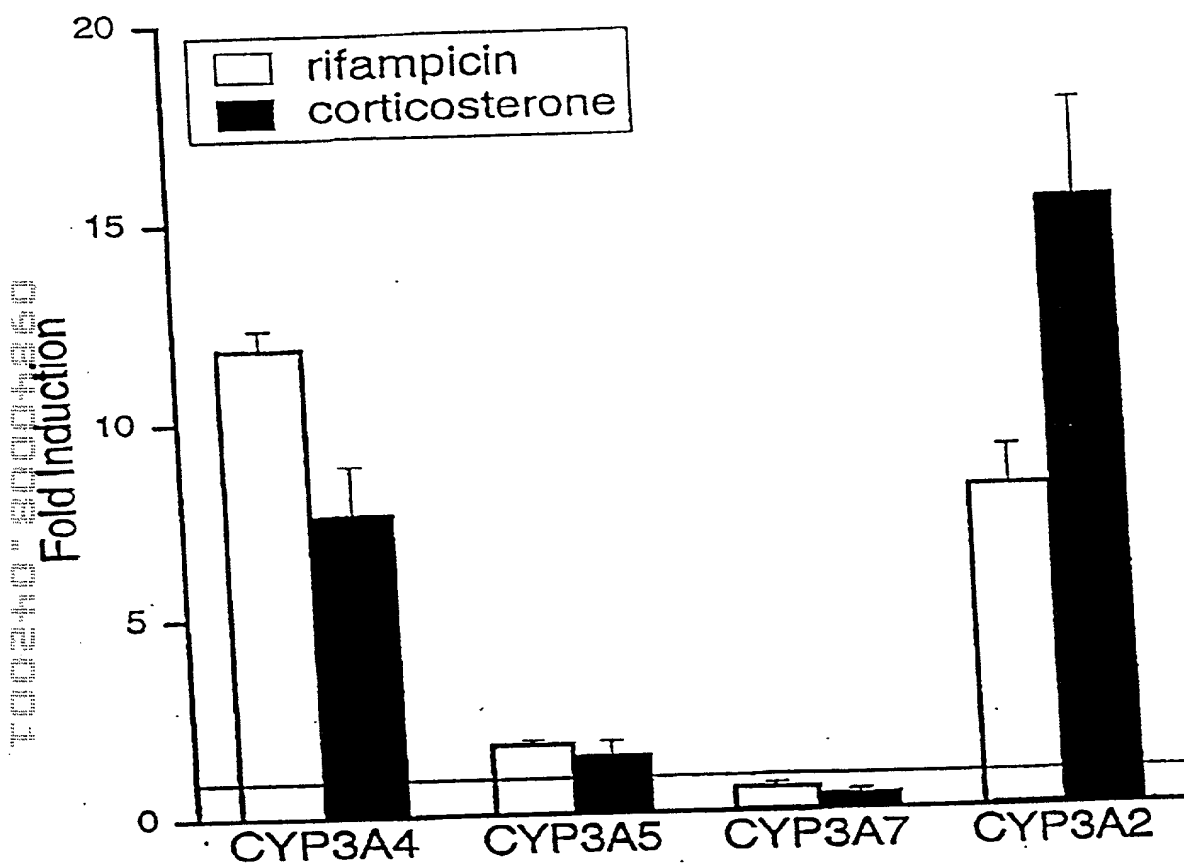
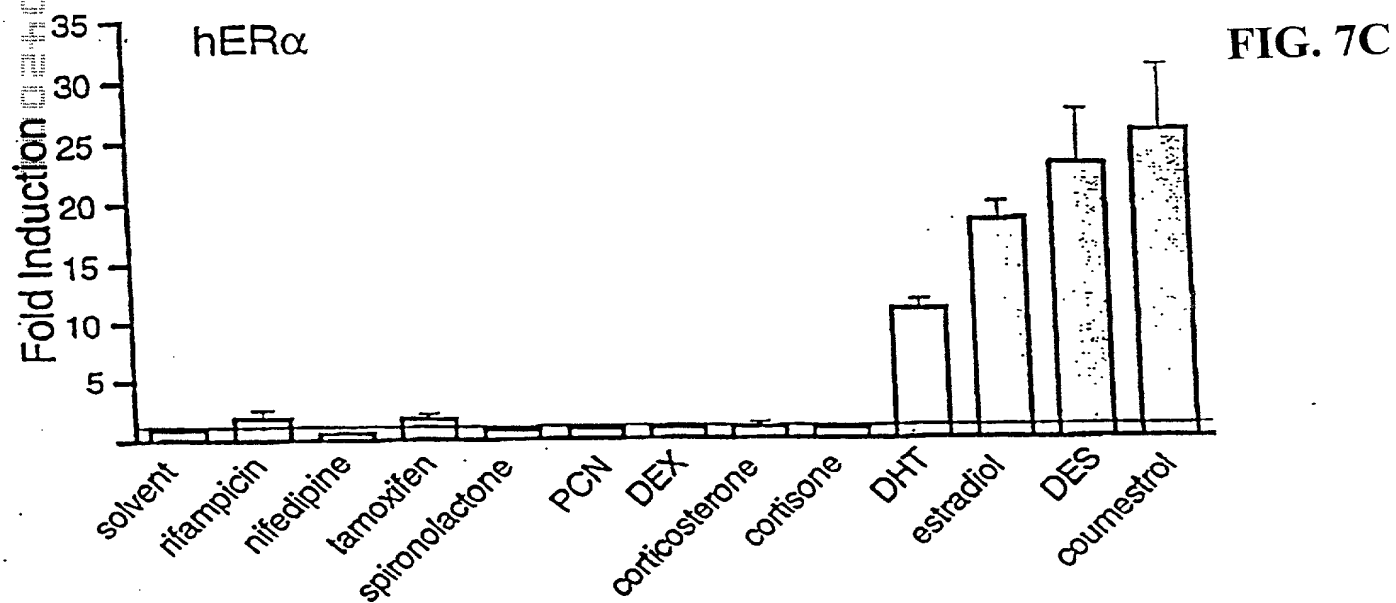
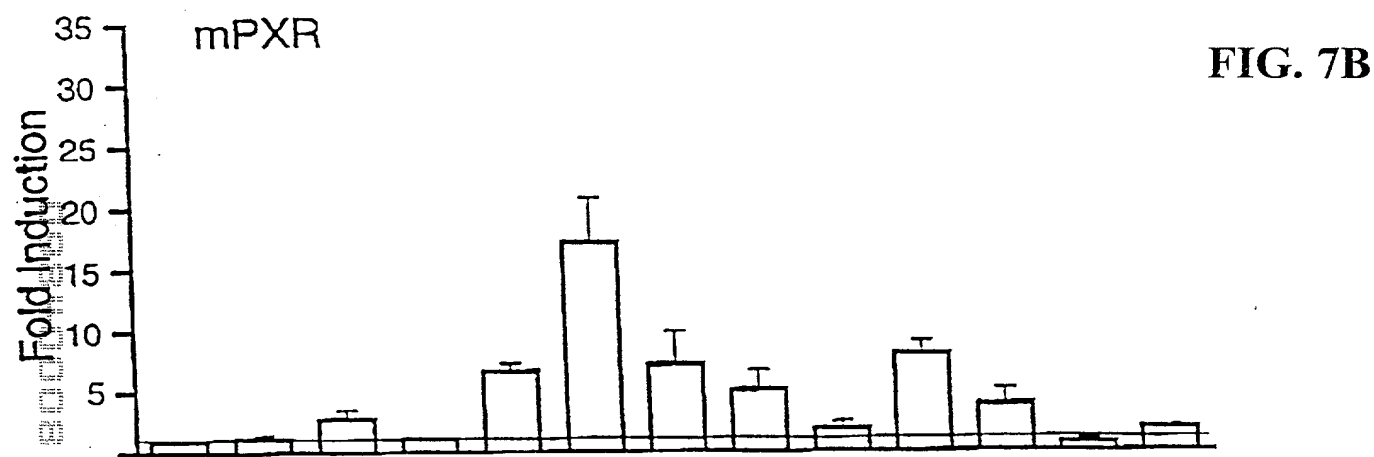
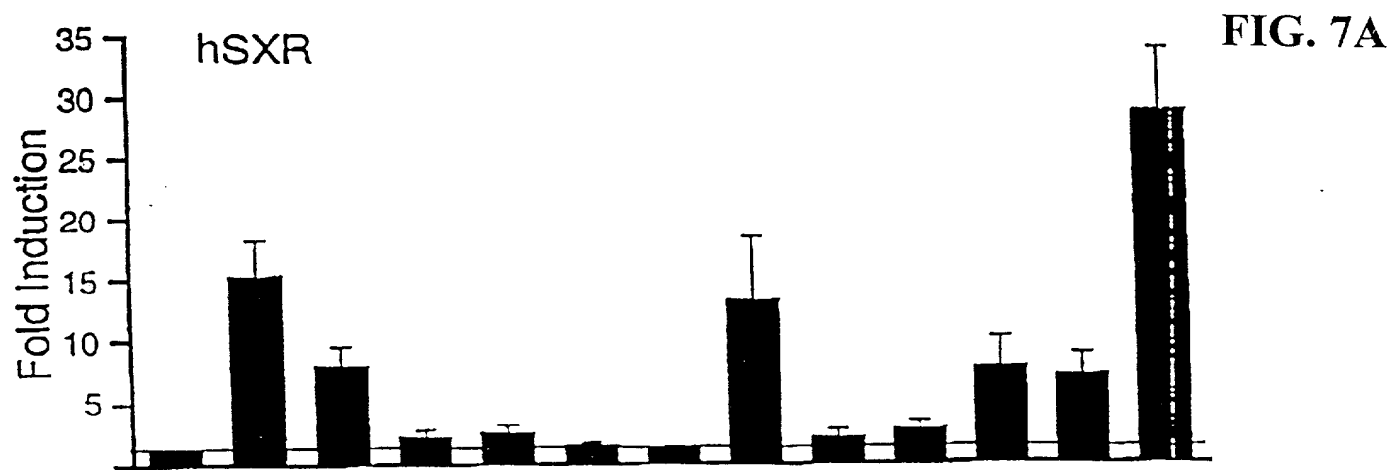


FIG. 6C



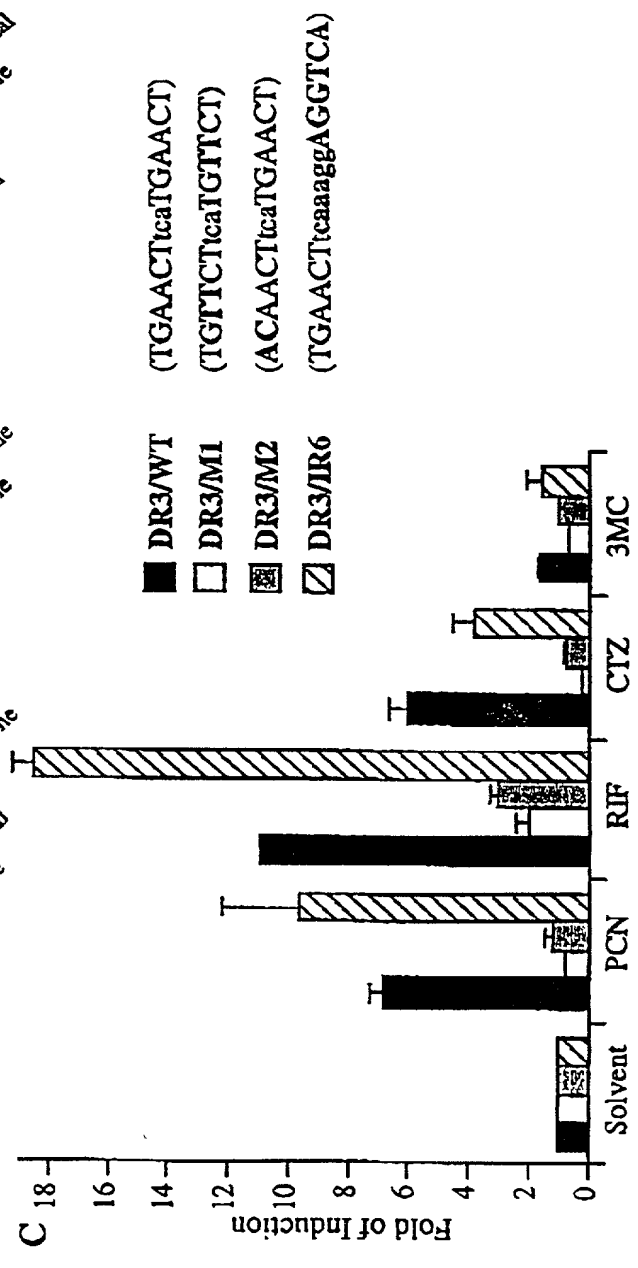
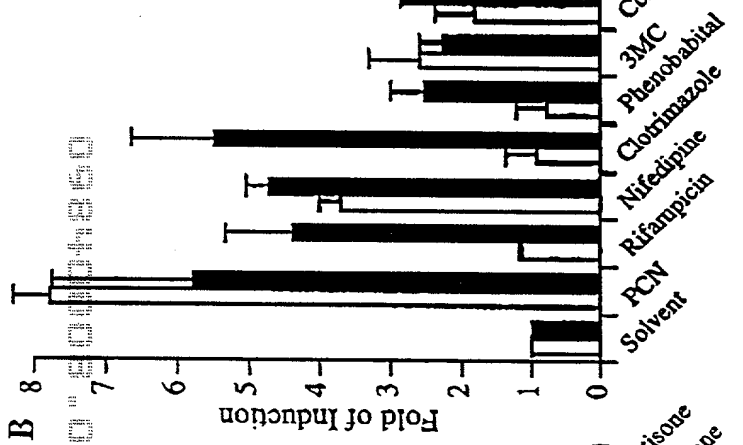
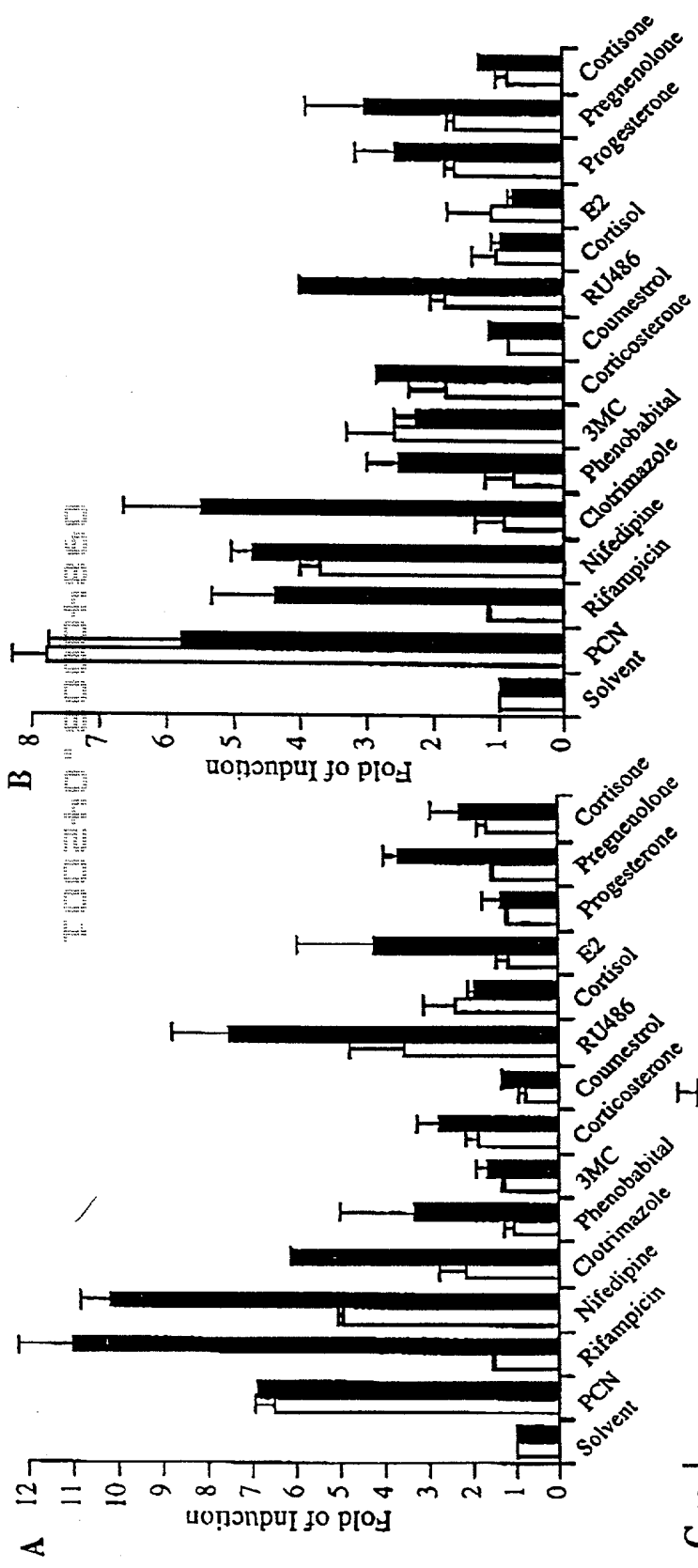


FIG. 8

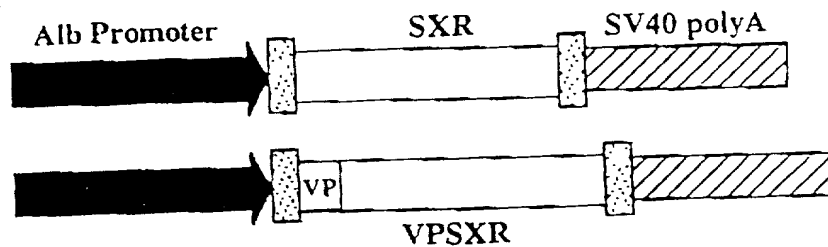


FIG. 9

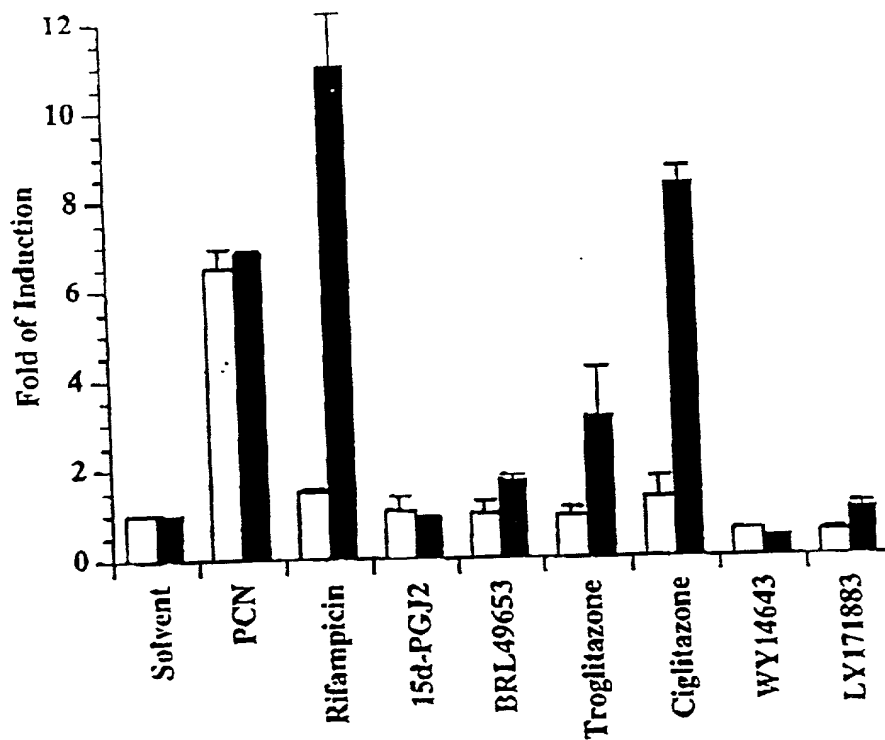


FIG. 10

0940004360

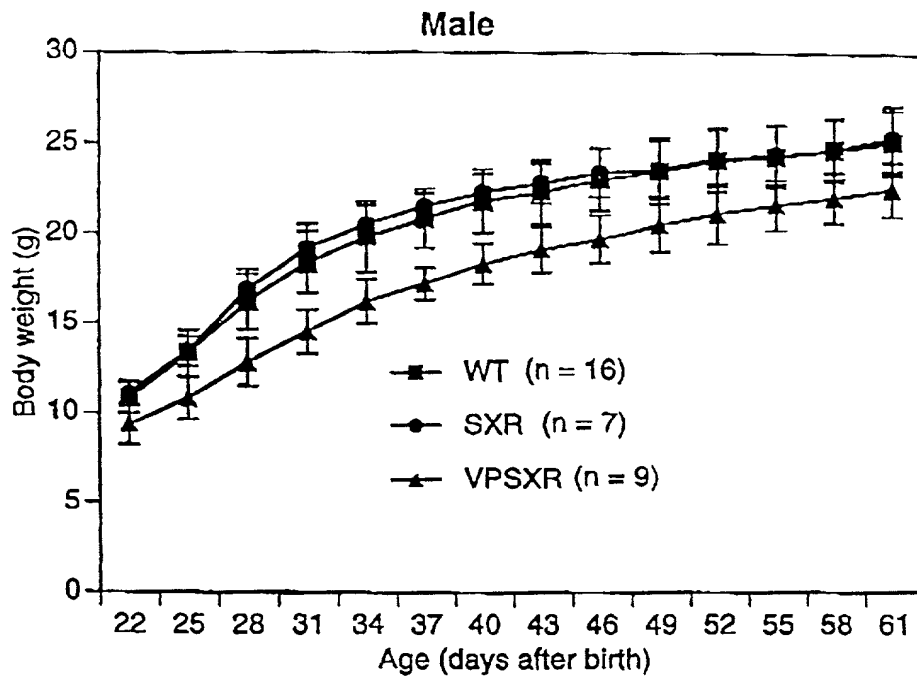


FIG. 11

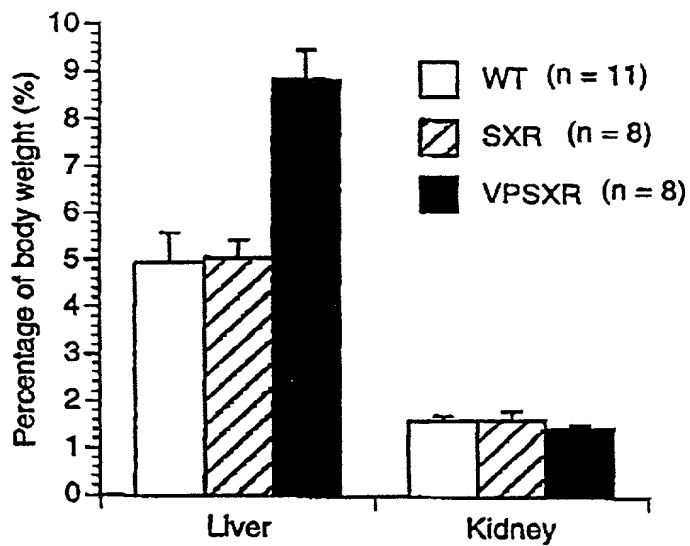


FIG. 12